



PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	
P0039877	ACI001-VC	1	1	Net 30	M4140H-R2.750	4140 Round Bar 2.750 : AISI 4140H ROUND BAR PER AISI4140OR ASTM A304-02/A-434-BC/ A193-03-GRADE B7-A29- 03/A322-91 OR UNS#- G41400 MINIMUM ULTIMATE TENSILE STRENGTH=100 KSI MINIMUM YIELD TENSILE STRENGTH=66KSI receive ft					12	5/18/2018	11		S072715	Stock	5/19/2018	\$ 36.74 / ft
		2			M6061T6B0.750X05.000	6061T6 Bar 0.750 X 5.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft					12			S072716	Stock	5/19/2018	\$ 15.41 / ft	
		3			M6061T6B0.500X04.500	6061T6 Bar 0.500 X 4.500 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft					12			S072717	Stock	5/19/2018	\$ 12.16 / ft	
		4			M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft					40		40	S072718	Stock	5/19/2018	\$ 4.74 / ft	
		5			M6061T6B1.500X02.500	6061-T6 Bar 1.50 X 2.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft					24		24	S072719	Stock	5/19/2018	\$ 15.46 / ft	
		6			M6061T6B2.250X2.250	6061T6 Bar 2.250 X 2.250 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft					12		12	S072720	Stock	5/19/2018	\$ 45.92 / ft	
		7			M6061T6S.188	6061-T6 .188 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf					32		32	S072721	Stock	5/19/2018	\$ 12.11 / sf	
		8			M6061T6S.080	6061-T6 .080 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf					192		192	S072722	Stock	5/19/2018	\$ 5.66 / sf	



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO039877

E-MAILED  
MAY 11 2018

<b>Supplier:</b>	ACI001-VC Acier Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	<b>PO No:</b>	PO039877
		<b>PO Date:</b>	5/11/18
		<b>Due Date:</b>	5/18/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Lavoie, Chantal Phone: clavoie@dartaero.com
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 30
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	quotation sou0105054

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M4140H-R2.750		4140 Round Bar 2.750 : AISI 4140H ROUND BAR PER AISI4140OR ASTM A304-02/A-434-BC/A193-03-GRADE B7/A29-03/A322-91 OR UNS#-G41400 MINIMUM ULTIMATE TENSILE STRENGTH=100 KSI MINIMUM YIELD TENSILE STRENGTH=66KSI receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$36.744166/ft	\$440.93
2	M6061T6B0.750X05.000		6061T6 Bar 0.750 X 5.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$15.41/ft	\$184.92
3	M6061T6B0.500X04.500		6061T6 Bar 0.500 X 4.500 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$12.156666/ft	\$145.88

## PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	M6061T6B0.750X01.500		6061-T6 Bar .750 X 1.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	40 ft	0 ft	40 ft	\$4.738/ft	\$189.52
5	M6061T6B1.500X02.500		6061-T6 Bar 1.50 X 2.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	24 ft	0 ft	24 ft	\$15.462916/ft	\$371.11
6	M6061T6B2.250X2.250		6061T6 Bar 2.250 X 2.250 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$45.91666/ft	\$551.00
7	M6061T6S.188		6061-T6 .188 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	5/18/18	32 sf	0 sf	32 sf	\$12.108125/sf	\$387.46
8	M6061T6S.080		6061-T6 .080 Sheet : MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	5/18/18	192 sf	0 sf	192 sf	\$5.658802/sf	\$1,086.49
9	M17-4-R0.750		17-4 Round Bar .750 : 17-4 PH / S17400 / TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI receive ft	Firmed	5/18/18	24 ft	0 ft	24 ft	\$8.6508333/ft	\$207.62

## PURCHASE ORDER

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
10	M303B1.000X1.000		M303B1.000 X 1.000 : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed	5/23/18	24 ft	0 ft	24 ft	\$24.5125/ft	\$588.30
11	M303R1.000		303 Round Bar 1.00 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft	Firmed	5/18/18	12 ft	0 ft	12 ft	\$8.4358333/ft	\$101.23
12	MT-4140-S-1.250X2.000		AISI 4140 Steel Bar : MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395	Firmed	5/18/18	6 ft	0 ft	6 ft	\$36.16/ft	\$216.96

Grand Total: \$4,471.42

## Order Notes

## Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.



Plex 5/11/18 11:39 AM dart.lavoie.chantal

# DELIVERY - CLIENT

C000089113



## ACIER OUELLETTE INC.

935, Boul. du Havre

Saberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

### Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

CARRIER

Credit Terme

Net 30 Days

### Salesman

Josianne Bourdon

### Processed by

### Your order N°

3987

### Customer N°

CLT0001056

### Date

2018/05/11

### Delivery date

**2018/05/18**

Instruction F-M	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
					CMD	EXP	B/O	IN	I	S	C	OUT
1	ROUND 4140 HEAT TREAT 2 3/4 (R) R4140-234H <b>4931</b>	253.56	12.00	PL-\$CLB								DAS <b>11</b> 9-89
	<i>1 X 12' LINE 1 Heat : L7356</i>											
	<i>COUPE A LA SCIE</i>											
	<i>SCIE</i>											
2	FLAT ALU 3/4 X 5 6061-T6 * FAL-345 <b>2598</b>	52.69	12.00	PL-\$CLB								DAS <b>11</b> 9-89
	<i>1 X 12' DC LINE 2 Heat : 160309232B</i>											
3	FLAT ALU 1/2 X 4 1/2 6061-T6 NS FAL-12412 <b>10194</b>	31.72	12.00	PL-\$CLB								DAS <b>11</b> 9-89
	<i>1 X 12' LINE 3</i>											





# DELIVERY - CLIENT

C000089113



## ACTER OUELLETTE INC.

935, Boul. du Havre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

### Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

CARRIER

Credit Terme

Net 30 Days

### Processed by

Josianne Bourdon

### Salesman

OUELLETTE VALLEYFIELD

### Customer N°

CL0001056

### Date

2018/05/11

### Delivery date

**2018/05/18**

### Your order N°

39877

Instruction	F-M	Delivery Route	5	Page	Internal Use Only							
					Weight	Qty	U/M	CMD	EXP	B/O	IN	I
10 PALETTE PALETTE	7573				1.00	UN_\$UN						
11 ROUND SS 3/4 17-4PH NS RSS-34174	9268				36.05	24.00	PL_\$CLB					
2 X 12' R/L LINE 9 Heat : 95G0264-G501T												
12 SQUARE SS 1 SS303 NS CSS-1303	9512				81.60	24.00	PL_\$CLB					
2 X 12' R/L LINE 10 AC16273-SM-17/05												
13 ROUND SS 1 303 (R) RSS-1303	8519				32.04	12.00	PL_\$CLB					
1 X 12R/ L LINE 11												

# DELIVERY - CLIENT

CO00089113



## **ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

### **Billed to**

DART AEROSPACE LTD

1270 , ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### **Shipped to**

, Ontario,

Salesman

CARRIER

Credit Terme

OUELLETTE VALLEYFIELD

Net 30 Days

### **Your order N°**

39877

### **Processed by**

Josianne Bourdon

### **Customer N°**

CLIO001056

### **Date**

2018/05/11

### **Delivery date**

**2018/05/18**

### **Instruction**

F-M

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page

5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
Heat : 620M 3											
14 PLATE 4140 HEAT TREAT 1 1/4 NS P4140-114H      8506 <i>Blo</i> 1 X 2" X 22" LINE 12 AC16274-FU-17/05	51.05	1.00	PI2-\$CLB								

**Total Weight (lbs) :** 1 074.80

NIR : R-109516-6

**Conditions :**  
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By :

Delivered By:	Time
<i>M</i>	<i>18/05/18</i>

Total (\$CAD)

Customer's Signature

Date

# CERTIFICATE OF TEST

# CERTIFICAT D'ESSAIS

4931

R-4140-234H

15955

2P

Page 01 of 02

Certification Date  
7-MAY-2018

50901

CUSTOMER ORDER NUMBER

NUMÉRO DE COMMANDE DU CLIENT

AC00015955

Invoice Number  
S706881

PART NUMBER/NUMÉRO DE PIÈCE

506439

SOLD TO: ACIER OUELLETTE INC.      SHIP TO: ACIER OUELLETTE INC.  
VENDU À: DIVISION SALABERRY DE VALLEYFIELD      DIVISION SALABERRY DE VALLEYFIELD  
935, BOUL. DU HAVRE      935, BOUL. DU HAVRE  
SALABERRY-DE- VALLEYFIELD QC J6S 5L1 SALABERRY-DE- VALLEYFIELD QC J6S

Description: 4140/4142 HR HT BAR STRESS FREE 269/321 BHN

2-3/4 RD X 20' R/L

Line Total: 485 LB

HEAT: L7356

ITEM: 506439

## Specifications:

ASTM A193 GR B7 16  
ASTM A29 15  
EN 10204 3.1 04ASTM A434 GR BC 15  
ASTM A962 16AASME SA193 GR B7 15  
ASTM E381 12

## CHEMICAL ANALYSIS

C	MN	P	S	SI	CR	NI	MO
0.41	0.97	0.0090	0.016	0.26	0.98	0.14	0.20
CU	AL	V					
0.22	0.026	0.007					

RCPT: R362671

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

DESCRIPTION	YLD STR PSI	ULT TEN PSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	120902.0	138322.0	18.0	56.7	299

GRAIN SIZE : 8 -

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mencées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST

## CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date  
7-MAY-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT  
AC00015955

Invoice Number  
S706881

PART NUMBER/NUMÉRO DE PIÈCE  
506439

SOLD TO:	ACIER OUELLETTE INC.	ACIER OUELLETTE INC.
VENDU À:	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD QC J6S 5L1	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD QC J6S 5L1
SHIP TO:		
EXPÉDIÉ À:		
HEAT:	L7356	ITEM: 506439
Description: 4140/4142 HR HT BAR STRESS FREE 269/321 BHN 2-3/4 RD X 20' R/L		Line Total: 485 LB

STRAND CAST REDUCTION RATIO 72.7 TO 1  
MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL  
THERMAL TREATMENT: OK  
AUSTENITIZED 1625F .1 HRS  
WATER QUENCHED  
TEMPERED 1300F .2 HRS  
MACRO: OK

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.  
The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

**MILL TEST**

MANIFEST NO.

BILL TO	CERT CODE:	DIE NUMBER	DATE OF SHIPMENT
	1	S 23758	Oct/13/2016
SHIP TO	CUSTOMER PO	ALLOY	SALESMAN
ACIER OUELLETTE	100664	T6	HOUSE ACCOUNTS
SO DESCRIPTION	CUSTOMER PART NUMBER	PART DESCRIPTION	CERTIFICATION
FLAT BAR 5" X 3/4" SC	DT23758		MILL TEST ASTM B221-14

FAL 345

**Mechanical Properties**

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11	6061	Oct/06/2016	41.30	38.20	11.10	85.9,86.1,86.3	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

---

David Natale  
Quality Control Manager

89.113

Dart

16270N



## Service Center Metals

5850 Quality Way  
Prince George, VA 23875

Can Do.

BILL TO

SHIP TO  
MANIFEST NUMBER  
354624  
CUSTOMER PO  
5400379606  
CUSTOMER PART NUMBER  
ALREC00548

DATE NUMBER  
RB0456  
ALLOY/TEMPER  
6061-T6514  
DESCRIPTION  
SCRB .500 x 4 500

DATE OF SHIPMENT  
1/10/2018

Salesperson  
D Schroeder (Canada)

ASTM-B221-14 StencilCont

AMS-QQA-2008 Rev-A

specification

Made In  
the U.S.A.  
CERTIFICATION  
ASTM-B221-14 StencilCont

ROHS 2011/65/EU Compliant  
CERTIFICATION  
AMS-QQA-2008 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification division, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 061-T651 also meet the requirements of 6061-T6.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

SCM is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant.

## Mechanical Properties

Test	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
2	2017/11/31	min 41.20 max 41.30	min 36.20 max 36.90	min 23.30 max 24.40

## Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Others	Total	Melt Source:
J2J171116B	201721131	6061	0.62	0.25	0.19	0.07	0.86	0.07	0.03	0.02	97.88	0.05	0.15	United States of America	
J2J171117B	201721131	6061	0.62	0.27	0.20	0.06	0.86	0.07	0.04	0.03	97.86	0.05	0.15	United States of America	

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 1/10/2018

Rev 7/2017

#2584

HAL-34112

TPE-2104  
49670

## Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address : 4054 BOUL LE CORBUSIER # 201  
LAVAL, QC  
H7L5R2

# commande 7011453

# bon de commande / Purchase order # : OU-47404

# de matrice / Die # : MS 16477

Description : 1 1/2" X 3/4" FLAT BAR

Alliage & trempage / Alloy & temper: 6061 T6 Longueur / Length : 6097 mm

# Contrôle / Control # : 84119-2

# Coulée / Cast # : 68549

Dureté Rockwell E / Min. requis / Max. permis /  
Rockwell E hardness : 94 HRE Min. required : 88 HRE Max. permitted : 100 HRE

### Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0.28 - 0.60	0.13 - 0.25	0.10 Max	0.10 Max	0.35 - 0.73	0.10 Max	0.05 Max	0.05 Max
6005	0.68 - 0.72	0.15 - 0.27	0.04 - 0.08	0.06 - 0.08	0.48 - 0.52	0.03 Max	0.05 Max	0.03 Max
6005A	0.65 - 0.75	0.15 - 0.27	0.15 Max	0.20 - 0.30	0.45 - 0.55	0.10 Max	0.05 Max	0.05 Max
6061	0.50 - 0.76	0.13 - 0.29	0.15 - 0.28	0.10 Max	0.80 - 1.00	0.04 - 0.14	0.08 Max	0.05 Max
6351	0.7 - 1.3	0.5 Max	0.10 Max	0.40 - 0.80	0.40 - 0.80	—	0.50 Max	0.20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,  
Yours truly,

date : 2017-03-10

Daniel Alfredo Pelletier  
Directeur Qualité  
Quality Director

2439

FAC - 112212

50599

15087

**MILL TEST**

BILL TO	S795 9	CERT CODE:	DIE NUMBER	DATE OF SHIPMENT	MANIFEST NO.
SHIP TO	LST?	CUSTOMER PO	S	Oct/19/2017	379633
LES METAUX SPECIALISES SAMUEL	C74902	ALLOY	4660	SALESMAN	MADE IN CANADA
SO DESCRIPTION	CUSTOMER PART NUMBER	TEMPER	T6511	HOUSE ACCOUNTS	CERTIFICATION
2.5 x 1.5 FB	V836661	PART DESCRIPTION	2.5 x 1.5 FB		ASTM B221-14 - AMS QQA 200/8

**Mechanical Properties**

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent. Elongation	Hardness Rockwell E	Conductivity
A.11	6061	Oct/13/2017	42.30	38.40	12.80	89.0,89.2,89.5	

**Chemical Composition**

Cast-Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Tl	Ga	Y	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
1 3B6350	A.11	6061	0.6	0.15	0.21	0.04	0.87	0.07	0	0.01	0.02	0	0	0	0	0	0	0	0	0	0	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

Tulsiram Mohabir  
Quality Control Manager

89113

Dart

16272N

# KAISER ALUMINUM FABRICATED PRODUCTS

## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
5400396921-3		ALSQ00023		2.250 SC SQ BAR			
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:		
6051775	003	04/12/2018	Z00779020	6061	T6511		
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:		
1000.000 LB	14.000 PCS	622454			12.000 FT		
SHIP TO:		SOLD TO:					

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00779020	0001	0001	48.0	44.3	13.0	RE 94	N/A	N/A
Z00779020	0001	0002	45.2	41.4	10.2	RE 94	N/A	N/A
Z00779020	0001	0003	47.1	43.4	14.6	RE 93	N/A	N/A
Z00779020	0002	0001	47.7	43.9	10.1	RE 93	N/A	N/A
Z00779020	0002	0002	46.8	43.2	10.2	RE 93	N/A	N/A
Z00779020	0002	0003	48.4	44.8	13.2	RE 94	N/A	N/A
Z00779020	0002	0004	47.2	43.6	13.4	RE 93	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
108298	.77	.27	.29	.10	.95	.09	.02	.02	.00	.00	.00	.01	.04

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00330009  
 Kaiser Order Number: 6051775  
 Line Item: 003

# **KAISER**

## **ALUMINUM**

### **FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

*Best in Class*

#### **CERTIFIED TEST REPORT**

<http://Online.KaiserAluminum.com>

#### **CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

1 tchr #

FEDAL - 316486061

Po. 1483

ALNAN-MILL TEST CERTIFICATE

ASTM B209-20, Aluminum Association Standard, AMS4827 and AMS QQA 250/11

COUNTRY OF MELT AND MANUFACTURE: CHINA

<b>Buyer:</b> METAL EXCHANGE CORPORATION.	<b>Lot No.:</b>	8161563	<b>Product:</b>	Aluminum Plate
<b>Address:</b> 111 West Port Plaza Suite 350 St. Louis, MO United States, 63146	<b>Certificate No.:</b>	P-16A218-6269	<b>Dimensions:</b>	0.188" x 48.5" x 6.5" (Inches) (170ppcs)
	<b>Release No.:</b>	12800029	<b>Alloy/Temper:</b>	6061T6
	<b>Customer Order No.:</b>	ALNAN-XS16-FRR17(1071681)	<b>Total Quantity:</b>	7,004MT

DATE: 18/12/2016

Weight %	Cast No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Tl	Ga	V	Remark	Each	Total
Min.	-	-	0.40	-	0.15	-	0.80	0.04	-	-	-	-	-	-	-	-
Max.	-	-	0.80	0.70	0.40	0.15	1.20	0.35	-	0.25	0.15	-	-	-	0.05	0.10
6161533	-	6061/T6	0.63	0.21	0.26	0.11	1.05	0.23	-	0.04	0.02	-	-	-	≤0.05	≤0.10

We hereby certify that the material described above has been tested and complies with the terms of the order contract. The inspection results indicated in the chemical composition have been obtained from cast analysis.

Issue by

Review by  
Q.A.10



**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate - mill certificate**

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Nr.: 89055159      03 / 4

Rev.: 0

Seite / page:      1 von / of 2

Datum / date:      2017 06 28

Auftraggeber / customer:	Bestell Nr. / order no.:	5400342513-R01
	Datum / date:	2017 03 02
	Auftragsbest. Nr. / order confirm no.:	130077
Warenempfänger / consignee:	Datum / date:	2017 04 13
	Lieferschein Nr. / delivery note:	89055159
	Datum / date:	2017 07 31

Produkt / product	Bedingungen / terms
Form / form: Sheet	Technische Lieferbedingungen / techn. spec.:
Werkstoff / material: 6061	AMS-QQ-A-259/11, 08.1997
Zustand / temper: T6	ASTM B209 - 14
Dim / dim.: [inch]: 0,080x48,00x144,00	AMS 4027N, 07.2008
Kundenartikel Nr. / cust. article no.: ALFLR01650	ASME SB-209, 2011a
	Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los Lot/No.	Teillös Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
05	34097/01	00	01/0083429/7	6061	1300770006	4056,437 lbs	75

**Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%) weight proportion (OES))**

Guss Nr. / cast no.	material	Chemical composition ([%) weight proportion (OES))									
		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
01/0083429/7	6061	0,40	-	0,15	-	0,80	0,04	-	-	-	-
	spec. min.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05	0,15
	spec. max.	0,64	0,46	0,23	0,11	0,87	0,17	0,08	0,04	0,02	0,03
	actual										

**Zugprüfung LT / tensile test LT**

BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests	UTS	YS	A2"		
				[ksl]	[ksl]	[%]		
			spec.min.	42,0	35,0	10		
			spec.max.	-	-	-		
34097/01	T6	LT	2	from	47,4	40,0	15	
34097/01	T6	LT		to	47,4	40,0	16	

**Sonstige Prüfungen / other tests**

biegeversuch: OK. / Transverse bend test: OK.

Maßkontrolle: OK. / Dimensional Check: OK.

Oberfläche: OK. / Surface inspection: OK.



**Abnahmeprüfzeugnis 3.1 (EN 10204)**  
**Inspection certificate - mill certificate**

Nr.: 89055159      03 / 4

Rev.: 0

Seite / page:      2 von / of 2

Datum / date:      2017 06 28

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

**Bemerkungen / notes**

Gegossen und gefertigt in Österreich / Country of melt and manufactured in Austria

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.  
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werksachverständiger / factory specialist	E-Mail / e-mail
josef.klampfer	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.  
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

# CERTIFICATE OF TEST CERTIFICAT D'ESAIS

# 9268

PO. 11395

49170

Page 01 of 02

Certification Date  
27-NOV-2017

RSS-34174

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

AC00011395

PART NUMBER/NUMÉRO DE PIÈCE

510517

Invoice Number  
T373050

SOLD TO:	ACIER OUELLETTE INC.	SHIP TO:	ACIER OUELLETTE INC.
VENDU À:	DIVISION SALABERRY DE VALEYFIELD		DIVISION SALABERRY DE VALLEYFIELD
	935, BOUL. DU HAVRE		935, BOUL. DU HAVRE
	SALABERRY-DE- VALLEYFIELD QC J6S 5L1		SALABERRY-DE- VALLEYFIELD QC J6S

Description: 17-4 SOL ANN CF BAR

ASTM A564

3/4 RD X 12' RYL

Line Total: 185 LB

HEAT: 9SG0264-G5011

ITEM: 510517

and Specifications:

AMS 5643 U  
ASTM A388/A388M 16  
ISO 15156-1 09\*  
EN 10204 3.1  
ASTM E340

ASTM A564 T630 13  
AMS 2303 F  
\*EXCEPT FOR H2S  
ASTM F899 12B  
AMS 2315

ASME SA564 T630 13  
NACE MR0175 09  
CORROSION TEST)  
API 6A APPENDIX M  
ASTM E112

### CHEMICAL ANALYSIS

C	SI	MN	P	S	NI	CR	MO
0.01	0.34	0.62	0.017	0.003	4.69	15.35	0.23
CU	NBTA	NB	TA				
3.30	0.27	0.26	0.005				

RCPT: R201370

COUNTRY OF ORIGIN : TAIWAN

### MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
COND A					321
DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
DEV: H900 L	182.0	201.0	17.0	53.0	428

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DES PRES

MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST

# CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date  
27-NOV-2017

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT  
AC00011395

Invoice Number  
T373050

PART NUMBER/NUMÉRO DE PIÈCE  
510517

SOLD TO:	ACIER OUELLETTE INC.	ACIER OUELLETTE INC.
VENDU À:	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD QC J6S 5L1	DIVISION SALABERRY DE VALLEYFIELD 935, BOUL. DU HAVRE SALABERRY-DE- VALLEYFIELD QC J6S 5L1
Description:	17-4 SOL ANN CF BAR 3/4 RD X 12' R/L	ASTM A564 Line Total: 185 LB
HEAT:	9SG0264-G5011	ITEM: 510517

GRAIN SIZE : 8 -

MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL  
ULTRASONIC: YES  
THERMAL TREATMENT: OK  
SOLUTION TREATMENT: 1900 +/- 25 DEG F FOR 30 MIN/INCH  
(MINIMUM OF 1/2 HOUR), RAPIDLY COOLED TO BELOW 90  
DEG F  
MACRO: OK  
MICRO1: OK  
AMS NO : 2303  
SEVERITY : 0.0  
FREQUENCY: 0.0

COMMENTS

red. ratio 279.6:1  
17-4 is the same with aisi 630  
free from residual radioactivity

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. Nous certifions que le matériel couvert par ce rapport will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 1606165.080  
 DATE: MAY 19 2019

PO / BATCH NO.: 039877/5072722

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 192 ft<sup>2</sup>  
 QUANTITY INSPECTED: 192 ft<sup>2</sup>  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .080  
 THICKNESS RECEIVED: .080  
 SHEET SIZE ORDERED: 4'4x12'  
 SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	Astm B209
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	Heat # 01/2003429/7 - 63265101
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>11</u>	SIGNED OFF BY:	
DATE:	<u>9-89 MAY 19 2019</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# Order - Factory

CO00089113

Product Description	Qty	Weight	UM	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
<b>8 ALU SHEET .081 (12G) 6061-T6 (4 X 12) FEAL-0814126061 9 X 4' X 12' LINE 8</b>		219.07	192.00	P12_\$CLB	4.00	0.00					
<b>HEAT : 01/1008343417 TRANSIT ST-JEROME LE 14/05</b>											
<b>10 PALETTE PALETTE</b>	<b>7573</b>						1.00	UN_\$UN	1.00		
<b>11 ROUND SS 3/4 17-4PH NS RSS-34174 2 X 12' R/L LINE 9</b>	<b>9268</b>	<b>36.05</b>	<b>24.00</b>	<b>P1_\$CLB</b>	<b>2.00</b>	<b></b>					
<b>HEAT : 9360264-6 5011</b>											
<b>12 SQUARE SS 1 SS303 NS CSS-1303 2 X 12' R/L LINE 10 AC16223-SM-17/05</b>	<b>9512</b>	<b>81.60</b>	<b>24.00</b>	<b>P1_\$CLB</b>	<b>2.00</b>	<b></b>					
<b>13 ROUND SS 1 303 (R) RSS-1303 1 X 12R/L LINE 11</b>	<b>8519</b>	<b>32.04</b>	<b>12.00</b>	<b>P1_\$CLB</b>	<b>1.00</b>	<b></b>					
<b>HEAT : 6 2014</b>											
<b>14 PLATE 4140 HEAT TREAT 1 1/4 NS P4140-114H 1 X 2" X 72" LINE 12 AC16224-EU-17/05</b>	<b>8506</b>	<b>51.05</b>	<b>1.00</b>	<b>P12_\$CLB</b>	<b>1.00</b>	<b></b>					
<b>SURCHARGE ENERGETIQUE FRAIS ENERGETIQUE</b>							\$	0.00			
<b>Total Weight (LBS) :</b>	<b>1 074.80</b>										
<b>NIR : R-109516-6</b>											
<b>Conditions :</b>											
All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The waranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and its warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.											
<b>Prepared By :</b>	<b>Verified By :</b>	<b>Delivered By :</b>	<b>Time</b>	<b>Customer's Signature</b>	<b>Y</b>	<b>M</b>	<b>D</b>				
<b>Total (\$CAD)</b>	<b>\$ 124.97</b>	<b>Deposit</b>	<b>0.00</b>	<b>Total (\$CAD)</b>	<b>\$ 124.97</b>	<b>Balance</b>	<b>\$ 124.97</b>				

NIR : R-109516-6

Conditions :

All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The waranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and its warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 14140H-R2.750  
 DATE: MAY 19 2018

PO / BATCH NO: 039877/5072715

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 11'  
 QUANTITY INSPECTED: 11'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.750  
 THICKNESS RECEIVED: 2.750  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	A193
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	Hast #FL7356
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-89 MAY 19 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED #	APPROVED #	DRAWING NO. M4140H-R REV. A SHEET 1 OF 1
DATE 05.02.21		TITLE 4140 ROUND BAR SCALE 1:1
A	05.02.21	NEW ISSUE

PURCHASE MATERIAL: AISI 4140H ROUND BAR

PER AISI 4140 OR ASTM A304-02 / -A-434-BC /

A193-CB - GRADE-B7 / -A29-03 / -A322-91 OR

UNS # - G41400

MINIMUM ULTIMATE TENSILE STRENGTH = 100 ksi

MINIMUM YIELD TENSILE STRENGTH = 66 ksi

PART NUMBER: M4140H-R | D.DDD | WHERE D.DDD = DIAMETER IN INCHES  
| DIA |

EG. 7/8" ROUND BAR = M4140H-R 0.875

RELEASED  
5-15-05 #

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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606176B0.750x05.000 PO / BATCH NO.: 039877/5072716  
 DATE: MAY 19 2018

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 12  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750  
 THICKNESS RECEIVED: 0.750  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	Astm B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	Heat # 16030232B
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>MAY 19 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:  
△ QQ-A-225/8 OR AMS QQ-A-225/8 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-200/8 OR AMS QQ-A-200/8 (OR AMS 4160)  
OR ASTM B211 OR ASTM B22

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW

| THICK | | WIDTH |

WHERE "T.TTT" = THICKNESS IN INCHES  
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

**RELEASED**  
R 2009-03-03  
*[Signature]*

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211(B221 (ZN D7-1)	
A	NEW ISSUE	REVISION
REV		BY DATE
DESIGN	DS	DART AEROSPACE LTD
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>AS</i>	REV B
MFG. APPR.	<i>AS</i>	SHEET 1 OF 1
APPROVED	<i>AS</i>	SCALE
DE APPR.	<i>AS</i>	NTS
DATE	09.07.13	6061-T6 BAR
		COPYRIGHT © 2001 BY DART AEROSPACE LTD. ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE COPIED, REPRODUCED, OR TRANSFERRED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF DART AEROSPACE LTD.

A	HAWKESBURY, ONTARIO, CANADA	
	DRAWING NO.	REV B
	M6061T6B	SHEET 1 OF 1
	TITLE	SCALE
	6061-T6 BAR	NTS

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

8

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B0.500X04.500 PO / BATCH NO: 039877/50-12717  
 DATE: MAY 19 2018

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500  
 THICKNESS RECEIVED: 0.500  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	Astm B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	Next # 02J17116B / 02J17117B
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>11</u> 9-89	SIGNED OFF BY: _____
DATE: <u>MAY 18 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

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D

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T652 ALUMINUM BAR

SPECIFICATION:  
 QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 41174/12B41154116)  
 OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)  
 OR ASTM B211 OR STM B221

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PART NUMBER:

M6061T6B	T.TTT	X	WW WWW
	THICK		WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES  
 "WW WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

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**RELEASED**  
 R 2009-05-01  
*JW*

B	REMOVE QQ-A-25011 OPTION, REFORMAT NOTES, ADD ASTM B211B221 (2N D7-1)	CP	09-07-13
A	NEW ISSUE	DS	01-08-08
REV		DESCRIPTION	BY DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA	REV. B
CHECKED	<i>AS</i>	DRAWING NO.	SHEET 1 OF 1
MFG APPR.		M6061T6B	SCALE
APPROVED	<i>AS</i>	TITLE	NTS
DE APPR.		6061-T6 BAR	
DATE	09.07.13	COPYRIGHT © 2001 BY DART AEROSPACE LTD This drawing is the property of Dart Aerospace Ltd. It is to be used only for the purpose for which it was issued. Any unauthorized distribution or copying of this drawing is illegal. Dart Aerospace Ltd., 1000 Lakeside Drive, Suite 100, Hawkesbury, Ontario, Canada J0L 1J0	

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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M60617680.210X01.500  
 DATE: MAY 19 2018

PO / BATCH NO.: 039877/50172718

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 40  
 QUANTITY INSPECTED: 40  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750  
 THICKNESS RECEIVED: 0.750  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	Astyn B221
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	Heat# 68549
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>11</u>		SIGNED OFF BY: _____
DATE: <u>9-6-18 MAY 19 2018</u>		DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B1.500X02.500 PO / BATCH NO.: 039877/5072719  
 DATE: MAY 19 2018

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 241  
 QUANTITY INSPECTED: 241  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500  
 THICKNESS RECEIVED: 1.500  
 SHEET SIZE ORDERED: 11A  
 SHEET SIZE RECEIVED: 11A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Astm B221
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Ref # F386350
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DURA	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-8 MAY 19 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T6511/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-2258 OR AMS-QQ-A-2258 (OR AMS 4117/4128/4115/4116)  
OR QQ-A-2008 OR AMS-2008  
OR ASTM B211 OR ASTM B221



PART NUMBER:

M6061T6B	T.TTT	X	WW/WWW
THICK	WIDTH		

WHERE "T.TTT" = THICKNESS IN INCHES  
"WW/WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

C

**RELEASED**  
R 2009-05-03  
*[Signature]*

B

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B	REMOVE QQ-A-250V1 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.		M6061T6B	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		6061-T6 BAR	NTS
DATE	09.07.13		

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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061+6B2.250X2.250 PO / BATCH NO.: 038877/5072720  
 DATE: MAY 19 2018

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 12  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.250  
 THICKNESS RECEIVED: 2.250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Actual B221</i>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<i>Heat# 300779020</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89 MAY 19 2019</u>	SIGNED OFF BY: _____
	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR  
 SPECIFICATION: QQ-A-2288 OR AMS-QQ-A-2258 (OR AMS 4117/4120/4115/4116)  
 OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)  
 OR ASTM B211 OR ~~ASTM B221~~



PART NUMBER:

M6061T6B | T.TT | X | WW WWW

| THICK | | WIDTH |

WHERE "T.TT" = THICKNESS IN INCHES  
 "WW WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.00

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**RELEASED**  
2009-08-03  
*JW*

		REMOVE QQ-A-22011 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZN 07-1)		GP	09.07.13
A	NEW ISSUE			DS	01.06.08
REV		DESCRIPTION		BY	DATE
DESIGN	DS	DART AEROSPACE LTD	HAWKESBURY, ONTARIO, CANADA		
DRAWN	<i>DS</i>	DRAWING NO.	M6061T6B	REV. B	
CHECKED	<i>DS</i>	TITLE		SHEET 1 OF 1	
MFG. APPR.	<i>DS</i>	SCALE			
APPROVED	<i>DS</i>	NTS			
DE APPR.					
DATE	09.07.13	COPYRIGHT © 2001 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. DRAFT COPY - NOT FOR QUOTATION OR PURCHASE PRINTED ON 09/07/2009 BY DART AEROSPACE LTD			

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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: nickel 616S .188  
 DATE: May 18 2019

PO / BATCH NO.: 039872/5072721

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 32 ft<sup>2</sup>  
 QUANTITY INSPECTED: 32 ft<sup>2</sup>  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .188  
 THICKNESS RECEIVED: .188  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	Astm B209
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	Batch # 6161503
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DURA	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	<u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE:	<u>8-8</u> MAY 19 2019	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-R0.750  
 DATE: MAY 19 2018

PO / BATCH NO.: 039877/5072723

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 24  
 QUANTITY INSPECTED: 24  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750  
 THICKNESS RECEIVED: 0.750  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<u>AMS5643</u>
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	<u>Heat# 9560264-L-5011</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-85</u> <u>MAY 19 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# SPECIFICATION CONTROL DRAWING

<p><b>D</b></p> <p>△ PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE</p> <p><i>S</i></p> <p>△ SPECIFICATION: AMS 5643 OR ASTM A564</p> <p>△ PART NUMBER: M17-4- HHHHH-R   XXXX   WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW) COND   O.D.   X.XXX = DIAMETER (IN INCHES)</p>	<p><b>C</b></p> <p>△ MATERIAL CONDITION TABLE:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CODE</th> <th>CONDITION</th> <th>MIN YIELD TENSILE STRENGTH (KSI)</th> <th>MIN ULTIMATE TENSILE STRENGTH (KSI)</th> </tr> </thead> <tbody> <tr> <td>( OMITTED )</td> <td>NONE SPECIFIED ( CONDITION A NOT ACCEPTABLE )</td> <td>100</td> <td>150</td> </tr> <tr> <td>H900</td> <td>H900</td> <td>170</td> <td>190</td> </tr> <tr> <td>H925</td> <td>H925</td> <td>155</td> <td>170</td> </tr> <tr> <td>H1025</td> <td>H1025</td> <td>145</td> <td>155</td> </tr> <tr> <td>H1075</td> <td>H1075</td> <td>125</td> <td>145</td> </tr> <tr> <td>H1100</td> <td>H1100</td> <td>115</td> <td>140</td> </tr> <tr> <td>H1150</td> <td>H1150</td> <td>105</td> <td>135</td> </tr> <tr> <td colspan="2">CONDITION A COND A (SOLUTION TREATED)</td> <td colspan="2"></td> </tr> </tbody> </table> <p>NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED</p>	CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)	( OMITTED )	NONE SPECIFIED ( CONDITION A NOT ACCEPTABLE )	100	150	H900	H900	170	190	H925	H925	155	170	H1025	H1025	145	155	H1075	H1075	125	145	H1100	H1100	115	140	H1150	H1150	105	135	CONDITION A COND A (SOLUTION TREATED)				<p><b>B</b></p> <p>△ EXAMPLES:</p> <p>PART NUMBER M17-4-R000 M17-4-H900-R2.500 M17-4-H1025-R3.750 M17-4-COND-A-R0.750</p>	<p><b>A</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>NO</th> <th>DRAWING NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>ADDED MATERIAL CONDITION (CIR17-107)</td> <td>NO</td> <td>M17-4-R</td> <td>17-09-14</td> </tr> <tr> <td>B</td> <td>REFORMED DWG. S17400/TYPE 630 ADDED TO PURCHASE MATERIAL (ZN DB-1). ADD A564 SPEC (CB-1).</td> <td>VS</td> <td></td> <td>10-05-20</td> </tr> <tr> <td>A</td> <td>REF PAR DB-200A NEW ISSUE</td> <td>CP</td> <td></td> <td>05-03-16</td> </tr> <tr> <td>REV.</td> <td>BY DATE</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p><b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA</p> <p>REV. C SHEET 1 OF 1 N/S</p> <p>NOTES: DART AEROSPACE LTD AND ITS SUBSIDIARIES ARE COMMITTED TO THE CONTINUOUS IMPROVEMENT OF ITS PRODUCTS AND PROCESSES. IT RESERVES THE RIGHT TO MAKE CHANGES AND MODIFICATIONS TO ANY OF THESE DRAWINGS WITHOUT PRIOR NOTICE. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD.</p> <p><b>RELEASED</b> R 2017-10-31 <i>pn</i> E/N17-729</p>	REV.	DESCRIPTION	NO	DRAWING NO.	DATE	C	ADDED MATERIAL CONDITION (CIR17-107)	NO	M17-4-R	17-09-14	B	REFORMED DWG. S17400/TYPE 630 ADDED TO PURCHASE MATERIAL (ZN DB-1). ADD A564 SPEC (CB-1).	VS		10-05-20	A	REF PAR DB-200A NEW ISSUE	CP		05-03-16	REV.	BY DATE			
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R1.000  
 DATE: MAY 19 2018

PO / BATCH NO.: C39877/S072724

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 121  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: 11x11  
 SHEET SIZE RECEIVED: 11x11

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> N	Astan A582
CORRECT THICKNESS	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> N	Heat it Good
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> N	

TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>19 MAY 19 2018</u>	DATE: _____

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# SPECIFICATION CONTROL DRAWING

8  
7  
6  
5  
4  
3  
2  
1

D  
C  
B  
A

PURCHASE MATERIAL: AISI 303 SS ROUND BAR  
(NOTE: AISI 304/316 NOT ACCEPTABLE)



SPECIFICATION:  
ASTM A582

PART NUMBER:

M303R[D.DDD]

DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

B  
C  
D

**RELEASED**  
2010-07-07  
*[Signature]*

B	REFORMAT DWG, ADD SPECS (2N 08-1), REF PAR 08-020A	CP	10/01/05			
A	NEW ISSUE	DS	01/12/20			
REV.	DESCRIPTION	BY	DATE			
REV. B						
DESIGN	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA					
DRAWN	DRAWING NO. M303R					
CHECKED	REV. B					
MFG. APPR.	SHEET 1 OF 1					
APPROVED	SCALE					
DE APPR.	NTS					
DATE	10.01.05					
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